

Claim(s)

1. A wind mill for wind power generation characterized in a windmill for wind power generation comprising a plurality of blades at every constant angles centering on a vertical rotating shaft in a face orthogonal to the vertical rotating shaft, wherein the blade is constituted by a blade type having a high lift coefficient at a low Raynolds number and a notch portion is formed at a rear end portion of a lower face of the blade.

2. The windmill for wind power generation according to Claim 1, wherein the Raynolds number falls in a range of 30,000 through 3,000,000.

3. The windmill for wind power generation according to Claim 1, wherein the lift coefficient falls in a range of 1.0 through 1.4.

4. The windmill for wind power generation according to Claim 1, wherein the notch portion is formed from a position of 35% through 45% of a chord length from a front edge thereof over to a rear edge thereof.